BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Name of the Work : Construction of Ward Office Building in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division. (Phase - 2).

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	87.04	Providing and removing centering, shuttering, strutting, propping etc., for **columns**, pillars, piers, post and struts, circular or curved in plan including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm	330.72	
1.1	87.04	1st Floor		333.90	
2	236.96	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs,** landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm	284.08	
2.1	236.96	1st Floor		287.26	
3	186.90	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of **beams** beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm	239.56	
3.1	186.90	1st Floor		242.74	
4	6.12	Providing and removing centering, shuttering, strutting, propping etc., for **chajjas,** corbels etc., including edges including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm	242.74	
4.1	6.12	1st Floor		245.92	
5	54.41	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm and down size** graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3 lts confirming to IS 9103-1999 reaffirmed-2008 , machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work.	Cum	5535.62	
5.1	57.58	1st Floor		5588.32	

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
6	59.37	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum	5789.72	
6.1	59.37	1st Floor		5789.72	
7	140.92	Providing mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc complete as per specifications and directions of engineer in charge of the work.	Qtl	7746.48	
8	5.85	Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work.	Sqm	405.98	
8.1	5.85	1st Floor		409.16	
9	490.84	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of	Sqm	779.10	
10	0.97	Providing **Honne wood frames of doors,** windows, clerestory windows, ventilators, and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work.	Cum	105456.22	
10.1	0.97	1st Floor		105458.87	
11	19.53	Providing and fixing in position fully **panelled Honne wood shutters for doors**, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures).etc complete as per specifications and directions of engineer in charge of the work.	Sqm	4501.82	
11.1	19.53	1st Floor		4507.12	

	Quantity.	Description	Unit	Rates In Figures	Rates In Words
12	336.42	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S. flats and square rods as per approved design, drawning including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery etc complete as per specifications and directions of engineer in charge of the work.	Kgs	95.40	
				95.40	
12.1	213.57	1st Floor			
13	10.17	Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick bottom section weight 0.695 Kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg/m, shutter outer side 40mmx18mm, 1.25mm thick, weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc ; and providing and fixing 5.5mm, thick plain glass for shutters fitted with rubber beading aluminium section anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and riveted in the assembled frame stiffened with end clops at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary	Sqm	3726.96	
				3732.26	
13.1	10.17	1st Floor			
14	210.06	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	163.24	
				166.42	
14.1	210.06	1st Floor			
15	494.07	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	199.28	
				202.46	
15.1	494.07	1st Floor			
16	704.13	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	19.08	
				22.26	
16.1	704.13	1st Floor			
17	202.00	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	187.62	
				190.80	
17.1	202.00	1st Floor			
18	21.55	Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum	4211.38	

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
19	704.13	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. **with Primer** etc complete as per specifications and directions of engineer in charge of the work.	Sqm	79.50	
19.1	704.13	1st Floor		80.56	
20	202.00	Providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **with Primer** etc complete as per specifications and directions of engineer in charge of the work.	Cum	78.44	
20.1	202.00	1st Floor		79.50	
21	39.06	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work.	Sqm	78.44	
21.1	39.06	1st Floor		79.50	
22	7.46	Providing colour glazed tiles of size 10mm thick for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work.	Sqm	882.98	
22.1	7.46	1st Floor		884.57	
23	31.92	Providing skirting, dado, rises of steps with Colour glazed tiles 15x15cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, etc complete as per specifications and directions of engineer in charge of the work.	Sqm	926.44	
23.1	31.92	1st Floor		928.03	
24	8	Providing and fixing white vitreous china clay, water closet European type (Pedestal Type) with black solid plastic seat and lid, C. P. brass hinges, rubber buffers. 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labours etc complete as per specifications and directions of engineer in charge of the work.	Each	5148.42	
25	6	Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Unit	3773.60	

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
26	100	Providing and fixing chlorinated poly veny chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing, this including jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete(internal work exposed on wall), **2025 (25 mmOD) pipe** etc complete as per specifications and directions of engineer in charge of the work.	M	360.40	
27	50.00	Providing and fixing chlorinated poly veny chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing, this including jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete(internal work exposed on wall), **2532 (32 mmOD) pipe** etc complete as per specifications and directions of engineer in charge of the work.	M	466.40	
28	30	Providing and fixing in position brass stop cock of approved quality **20mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads etc complete as per specifications and directions of engineer in charge of the work.	Each	169.60	
29	25	Providing and fixing in position brass bib cock of approved quality **20mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads etc complete as per specifications and directions of engineer in charge of the work.	Each	255.46	
30	48.00	Providing and fixing sand cast iron soil waste and vent pipes 100mm dia with spun yarn soaked in cement slurry and cement mortar 1:2 including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work.	m	730.34	
31	20	Providing and fixing sand cast iron soil waste bends 100mm dia with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement Slurry and cement mortar 1:2 including cost of materials, labour, testing etc complete as per specifications and directions of engineer in charge of the work.	Each	538.48	
32	20	Providing and fixing M.S. stays and clamps for sand cast iron pipes of 75mm dia including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work.	No	174.90	
33	20	Providing and fixing CI Nahani Trap of approved make conforming to ISI specifications and construction of cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). 12.5 cms x 7.5 cms, etc complete as per specifications and directions of engineer in charge of the work.	Each	302.10	
34	6	Making connection of drain or sewer line of size 100 to 230mm external dia with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix 20mm and downsize granite metal, cement plastered on both sides of mix 1:3 finished with a floating coat of heat cement, and making necessary channels for the drain, including cost of materials, labour charges curing etc complete as per specifications and directions of engineer in charge of the work.	nos	1378.00	

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
35	2	Providing and placing on terrace. Polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. **(For 1000 litre capacity)** etc complete as per specifications and directions of engineer in charge of the work.	Nos	8831.92	
36	36.00	Providing and laying in position to required level or slope 250mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges etc complete as per specifications and directions of engineer in charge of the work.	m	558.62	
37	36.00	Hinges heavy Duty 5"	Rmtr	45.00	
38	8.00	Door Lock	Rmtr	350.00	
39	20.00	MS Clamps	Rmtr	30.00	
40	100.00	Tower Bolt 300mm long	Rmtr	86.00	
41	12	Handle (powder Coated) 150mm	No.	50.00	
42	50	Brass Screws 25mm	No.	4.00	
43	48	Hinges heavy Duty 5"	No	35.00	
44	20	MS Clamps		30.00	
45	50.00	Brass Screws 25mm	Rmtr	4.00	
46	40.00	Bottom lock nails	Mtr	41.00	
47	8	Center Pulley	No	75.00	
48	250	**Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary etc complete as per specifications and directions of engineer in charge of the work. 19/20 mm dia 2mm thick	Mtrs	43.00	
49	150.00	25 mm dia 2mm thick	Mtr	53.00	
50	6.00	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. etc complete as per specifications and directions of engineer in charge of the work. 10"X7"X3" (300X228X76mm)	Each	68.00	
51	6	8"X6"X3" (300X228X76mm)	No.	52.00	
52	30	Supplying and fixing PVC/metal conduit accessories special type Junction Box etc complete as per specifications and directions of engineer in charge of the work. 32 mm Junction Box	Each	29.00	
53	45	Deep 32 mm Junction Box	No	33.00	
54	45	Fan Box 18 /SWG	No	57.00	
55	6	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet etc complete as per specifications and directions of engineer in charge of the work. Point Wiring using Class A Materials a) Short point upto 3Mtr from tapping point to out let via switch	Each	175.00	
56	20.00	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch	Sq.Cm	260.00	
57	30	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch	No.	368.00	

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
58	16	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate etc complete as per specifications and directions of engineer in charge of the work. 1-3 Way	Each	90.00	
59	4	4-5Way		100.00	
60	10	6Way		175.00	
61	5	8 Way		195.00	
62	5	10-12Way		210.00	
63	16	Supplying and fixing superior quality modula switch mounting polyorbonate plate with cecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box etc complete as per specifications and directions of engineer in charge of the work. 1 to 3 Modular	Each	82.00	
64	4	4 Modular		100.00	
65	10	6 Modular		125.00	
66	5	8 Modular		175.00	
67	5	12 Modular		230.00	
68	180	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate etc complete as per specifications and directions of engineer in charge of the work 6Amps one way.	Each	96.00	
69	60	6Amps 3way Socket.		165.00	
70	20	Stepped Fan Regulator		530.00	
71	20	16 Amps one way switch		132.00	
72	2	6Amps Bell push		115.00	
73	20	6/16 Amps univesla Socket		205.00	
74	8	TV / Telephone Socket		115.00	
75	8	Rj45/IO Oulet		525.00	
76	200	Wiring for lighting power curcuit using one of PVC insluated 1100v grade multistrand copper conductor single core cable in open or concealed system of wiring etc complete as per specifications and directions of engineer in charge of the work. 1.5 Sqmm	Mtrs	150.00	
77	3000	2.5 Sqmm		25.00	
78	2000	4 Sqmm		32.00	
79	1000	6 Sqmm		52.00	
80	40	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps etc complete as per specifications and directions of engineer in charge of the work.	No	60.00	
81	20	Extra for supplying 4mm thick white plastic plate and convering for juncrtion boxese or size 80mm conduit using necessary machine screws etc complete as per specifications and directions of engineer in charge of the work.	No	6.48	
82	5000	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulatoirs etc and fixing on existing wooden or metal box using NF screws etc complete as per specifications and directions of engineer in charge of the work.	Sqcm	0.22	
83	48	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube etc complete as per specifications and directions of engineer in charge of the work. Group 'A'	Each	675.00	

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
84	20	Supplying of Incandescent lamps etc complete as per specifications and directions of engineer in charge of the work. B.C. 100Watts	Each	14.00	
85	20	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard Regular Model	Each	1800.00	
86	8	Supplying wall mounting fan suitable to operat		2400.00	
87	8	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box etc complete as per specifications and directions of engineer in charge of the work. 1 to 3 Modular	Each	82.00	
88	16	8 Modular		175.00	
89	8	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate etc complete as per specifications and directions of engineer in charge of the work. 6Amps one way.	Each	96.00	
90	6	6Amps 3way Socket.		165.00	
91	2	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box etc complete as per specifications and directions of engineer in charge of the work.	Each	630.00	
92	1	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps etc complete as per specifications and directions of engineer in charge of the work.	No	60.00	
93	1	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required 5-32 Amps etc complete as per specifications and directions of engineer in charge of the work.	Each	560.00	
94	1	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc complete as per specifications and directions of engineer in charge of the work. 20"x20"x2.5"	Each	285.00	
95	2	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete as per specifications and directions of engineer in charge of the work. 32 Amps	Each	100.00	
96	50.00	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class etc complete as per specifications and directions of engineer in charge of the work.	Mtr	215.00	
97	50.00	Labour charges for laying of 1.1 K.V class UG cable etc complete as per specifications and directions of engineer in charge of the work.	Mtr	11.00	
98	40.00	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc complete as per specifications and directions of engineer in charge of the work. For Cutting Road Surface	Mtr	40.00	
99	10.00	For Cutting of Road Surface		60.00	

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
100	10.00	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class etc complete as per specifications and directions of engineer in charge of the work. 40mm dia GI pipe	Mtr	240.00	
101	1	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc complete as per specifications and directions of engineer in charge of the work. 16Sqmm	No.	286.00	
102	2	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, etc complete as per specifications and directions of engineer in charge of the work.	No	3000.00	
103	230	Supplying and drawing UTP-CAT -E LAN calve etc complete as per specifications and directions of engineer in charge of the work.	Nos	35.00	
104	1	1HP Submercible centrifugal force pump of approved make with all necessary fittings including wiring switch board, starter etc., and Electronic Automatic Equipment (Programmable Logic Control) etc complete as per specifications and directions of engineer in charge of the work.	LRQ	18000.00	

No. of Erection - Nil

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92
26/08/2013

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